



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of )  
WALTER C. BONNEAU, et al. ) FOR: MULTIPLE PROTOCOL SMART  
Serial No.: 09/329,775 ) CARD COMMUNICATION DEVICE  
Filed: JUNE 10, 1999 ) Group  
Art Unit: 2876 )

#5

IDS  
J. Macinella  
12/13/05

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98

Assistant Commissioner for Patents  
Washington, D.C. 20231

Attention: Examiner

Dear Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to patentability of the invention disclosed and claimed in the above-cited application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:

November 16, 2000  
(Mailing Date)

KATHLEEN L. CONNELL  
(Typed Name)

(Signature)

November 16, 2000  
(Date of Signature)

Applicants are submitting herewith copies of the references which are set forth on the attached Form PTO/SB/08A.

German Patent Document No. DE 196 35 311 A1, inventor Kreft, describes adaptive identification of contactless smart cards wherein contactless smart cards of different manufacturers may be combined into a group of cards with comparable technical characteristics, with the ability to be served at different terminals. The invention discloses a two phase procedure of how terminals can identify different card types by sending sequential information. In the first phase the terminal RCD continuously sends an electromagnetic field with a carrier frequency  $f$ , such that the energy content of the field with the carrier frequency  $f$  is sufficient to supply a number of several smart cards (RCCCs), in proximity to the terminal, with linked energy for the maintenance of their electronic card function. The terminal RCD continuously sends one or more additional frequencies  $f_1$  which have a smaller power density than the carrier frequency  $f$ , such that the  $f_1$  is divided proportionally to the  $f$  by a number  $n$ , and  $f_1$  is sent with a certain number  $n$  of differently coded signal sequences (TSEQ1, TSEQ2... tseqn) that are modulated to  $f_1$ . These frequencies are repeatedly transmitted in a same order from the terminal (RCD). Each signal sequence SEQn begins and ends within a first part of a time window WT-n, whereby the available time windows are equal to the available different signal sequences. In the second phase. A number of smart cards RCCCs are activated by the carrier frequency  $f$  for the receipt of the signal sequences TSEQ1; TSEQn. A group of smart cards RCCCn, can decode the signal sequences TSEQ1; TSEQn, and these smart cards are identified as active smart cards (IRCn). These identified smart cards (IRCn) are synchronized with the same signal CSEQn when RTS is dispatched is in the second and later part of the time window. The terminal RCD, after receipt of the sequence CSEQn, switches to a certain communication process  $n$ , which is assigned to the signal sequence TSEQn, and the repeated sending of the sequences TSEC ends.

German Patent Document No. DE 197 14 068, inventor Paulovits, is a Write/reading procedure for smart cards that concerns a procedure for the data exchange with contactless smart cards, with which electromagnetic signals will transfer between a

main antenna, which is assigned to a CONTROLLER, and one integrated smart card antenna. A data exchange process is initiated by dispatching an energy signal by the main antenna, whereby the smart card dispatches a response signal after receipt of the energy signal. So that the procedure for data exchange with several different smart cards is suitable, the main antenna dispatches different energy signals of different smart card types. At the beginning of the data exchange process, and the CONTROLLER analyzes the received response signal. Due to at least a characteristic feature of a response signal, the CONTROLLER selects from several possible transmission/receipt frequencies, communication procedures and/or signal types of modulation which are suitable for data exchange with responding smart card.

As all relevant parts of the remaining references are in the English language, no explanation of the references is provided herein.

This Information Disclosure Statement is submitted within three (3) months of the filing date of the above-cited application or of the date of entry into the national phase of the application or prior to the mailing date of a first Office Action thereon, whichever has occurred last, such that no fee is required.

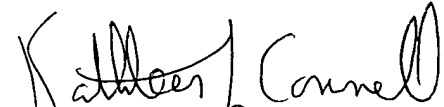
Further, while the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specifically designated as such.

Also, in accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

Respectfully submitted,

Dated: Nov 16, 2000

By:



Kathleen L. Connel  
Attorney for Applicant  
Registration No. 45,344

BROWN, MARTIN, HALLER & McCLAIN  
1660 Union Street  
San Diego, California 92101  
Telephone: (619) 238-0999  
Facsimile: (619) 238-0062

Docket No.: 2322-0486